

**MODIS Technical Team Meeting**  
**Thursday, June 24, 2004**  
**Building 33, Room E125**

Vince Salomonson chaired the meeting. In attendance were Barbara Conboy, Chuck McClain, Jack Xiong, Greg Leptoukh, Shaida Johnston, Bill Barnes, Bob Barnes, Dorothy Hall, and Skip Reber, with Yolanda Harvey taking the minutes.

**1.0 Upcoming Events**

- MODIS Science Team Meeting, July 13–15, 2004, BWI Airport Marriott, Baltimore, MD.  
[http://modis.gsfc.nasa.gov/sci\\_team/meetings/200407/index.html](http://modis.gsfc.nasa.gov/sci_team/meetings/200407/index.html)
- MODIS Vegetation Workshop II, University of Montana, August 17 - 19 2004
- AIAA Space 2004 Conference and Exhibit, San Diego, California, September 28-30 2004. <http://www.aiaa.org/>
- Snow and Ice User Workshop, SSAI offices, Aerospace Building, Lanham MD. November 16-17, 2004.

**2.0 Meeting Minutes**

**2.1 General Discussion**

Salomonson reported that there has been interest in an interdisciplinary discussion on band (detector) striping, and he thought that the upcoming MODIS Science Team Meeting would be an appropriate venue for it. Xiong and McClain agreed, and that it would promote cross-discipline collaboration. Xiong suggested talking about this especially with the Land and Atmospheres people at the MCST workshop, and Salomonson suggested discussing it during the general calibration meeting. Salomonson wants to encourage people to bring problems to our attention, and Johnston noted that this would bring potential solutions as well.

Johnston reported that she is still working on her Level 1 data action item.

Reber noted that his group is trying to keep up with the changes going on with MODIS products for their website, and asked for feedback on how they're doing (a report card of sorts).

Salomonson noted that 113 people have registered for the Science Team Meeting, though not many have said that they are bringing posters.

Salomonson confirmed that Diane Wickland, now the MODIS Program Scientist, will soon become the NPP Program Scientist instead.

**2.2 Instrument Status**

**2.1.1 Terra MODIS**

Xiong reported that no new issues have come up, and they are continuing to process old telemetry data from the last incident. This data will go into a package that will be sent to Santa Barbara.

### **2.1.2 Aqua MODIS**

Xiong reported meeting last Friday with the Oceans group about the Aqua LUTs and normalizing decisions. McClain said that they still see some slight trending between Aqua and SeaWiFS. Xiong said that it's a five percent long-term trend (difference) between Aqua and SeaWiFS in water leaving radiance over a nearly two year period, corresponding to 0.5% gain changes over two years. Unfortunately, there is no way to track Solid Diffuser degradation at that level, and the problem isn't necessarily drift-related.

### **2.3 DAAC**

Leptoukh reported that the Aqua L1B data processing will hopefully be done by the end of the month. The AMASS upgrade over the weekend went well, though there was a technical problem with distribution, which Landover is working on as their highest priority. They're not sure of the root of the problem.

### **2.4 SDST**

No report given.

### **2.5 Oceans**

McClain reported that the Oceans group has continued comparisons of MODIS/Aqua and SeaWiFS to assist the MCST refine the calibration LUTs and identify other potential improvements to the Aqua processing, e.g., refined polarization and response vs. scan (RVS) tables. Even though improved polarization tables have been developed based on a reanalysis of the pre-launch MODIS characterization data, slight north-south trends in zonally averaged normalized water-leaving radiances remain. These trends reverse seasonally and may be due to residual errors in the polarization correction. Other uncorrected differences such as components of the ocean bidirectional reflectance (BRDF) correction (not all components of the correction scheme are being applied in the processing because of BRDF algorithm uncertainties) may also be contributing to the differences as well.

### **2.6 Cryosphere**

Hall reported holding a second telecon on the 17<sup>th</sup> about the planned EOS snow and ice workshop. She and Kaminski will put out a second announcement in about two weeks that will include a tentative agenda for the workshop.

## **3.0 Action Items**

### **3.1 New Action Items**

No new action items.

### **3.2 Old Action Items**

3.2.1 Tech Team to further discuss TRW using MODIS data for validation of the NPP/NPOESS production process.

Status: Open.

3.2.2 Kempner to bring back some proposals for how the disciplines can deal with the DAAC

distribution problem.

Status: Open.

3.2.3 Johnston to determine what data should be going into the DAAC.

Status: Open.

Johnston reported being at the beginning stages of laying out details for Collection 5, and is trying to identify the right levels for the Science Team in terms of data archiving.